

7. (Amended) A process as claimed in claim 1, wherein the feed mixture is fractionated in a column to separate C_6 -olefins and oligomers prior to the reaction, the C_6 -olefins are returned to the reaction, the reacted mixture is returned to the column and the oligomers (C_{7+} -hydrocarbons) are discharged.

8. (Amended) A process as claimed in claim 1, wherein the reacted mixture after the reaction is fractionated in a column to separate C_6 -olefins and oligomers, the C_6 -olefins are returned to the reaction and the oligomers are discharged.

9. (Amended) A process as claimed in claim 1, wherein the reaction is passed over a protective bed prior to the reaction.